

LCD Television User's Guide

Changing Entertainment. Again.



Important Information



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates important instructions accompanying the product.



This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. For U.S. customers: Your RCA Consumer Electronics product may also be registered at www.rca.com/productregistration. Registering this product allows us to contact you if needed.

Product Information

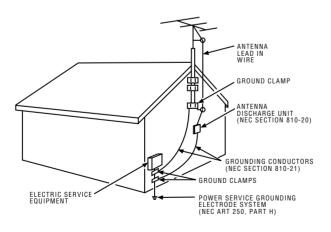
1 2	, 1	of purchase. Attach it here and record the
serial and model numbers. These r	numbers are located on the product.	
Model No	Serial No.	Purchase Date:
Dealer/Address/Phone:		

Important Safety Instructions

- Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15. If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984 (Section 54 of Canadian Electrical Code, Part 1) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See following example.





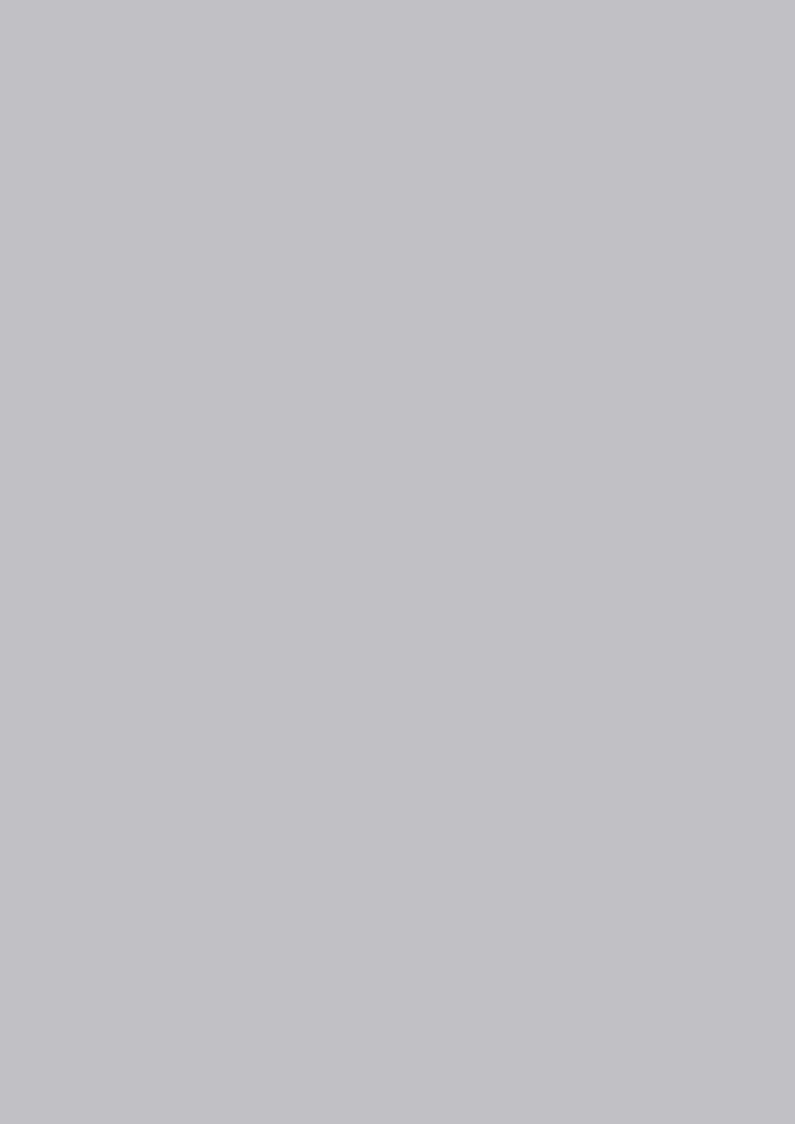
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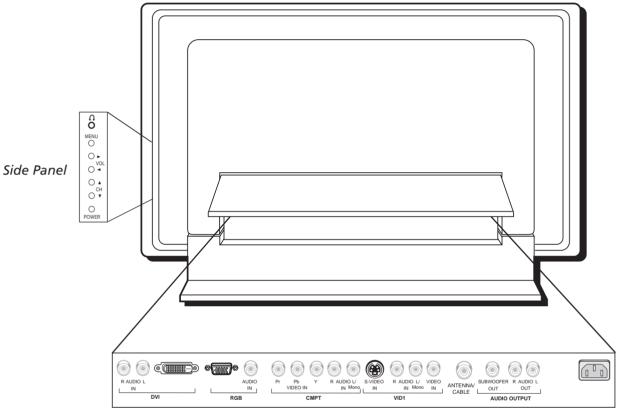
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Explanation of Jacks

This section describes the jacks and cables you might use to make connections. There are several ways to connect components to your TV.

Different jacks and cables provide a different level of performance. It's important to remember the different degrees of picture improvement for comparison. The YPbPr (component) jack is considered an excellent improvement; S-Video and Video (composite) jacks are considered very good; while the Antenna/Cable connection is good.



Bottom Panel (lift the panel as shown above to view the jacks)

Bottom Panel

DVI Input Lets you connect an HD receiver, HD cable box, or a computer with a DVI output.

- **R AUDIO IN** Provides right audio connection when using the DVI jack. The right audio connector is usually red.
- **L AUDIO IN** Provides left audio connection when using the DVI jack. The left audio connector is usually white.
- **DVI (Digital Visual Interface)** For connection of components that have a DVI jack, such as an HD receiver. The DVI jack provides an uncompressed, digital video interface developed for high-bandwidth digital connection. It supports the overlay of high-resolution graphics used by some program guides and interactive components.

RGB Input

- **RGB** For connection of components that have an RGB output jack, such as a personal computer, HD receiver, or DVD player.
- **AUDIO IN (Stereo mini jack)** Use to obtain sound when a component is connected to the RGB jack. Use the supplied 3.5mm mini phone to audio cable adapter. Connect audio cables to the end of the adapter.

CMPT (Component) Input

- **Y Pb Pr VIDEO IN** For connection of components that have component output jacks (Y, Pb, Pr), such as a personal computer, HD receiver, DVD player, or other device with component outputs.
 - The Y Pb Pr jacks provide excellent picture quality because the video is separated into three signals.
- **RAUDIO IN** Provides right audio connection when using the Y Pb Pr jacks. The right audio connector is usually red.
- **L/Mono AUDIO IN** Provides left audio connection when using the Y Pb Pr jacks. The left audio connector is usually white.

Note: If your component has only one output for audio (mono), connect it to the L/Mono AUDIO jack on the TV and don't connect the R AUDIO part of the cable. In this case, you need to change a setting to hear sound from both speakers. Go to the **Sound** menu, highlight **Sound Type** and then choose **Mono**.

VID1 Input

• **S-VIDEO IN** The S-Video (super video) jack provides better picture quality than the regular video jack because the color (chrominance, also called chroma) part of the signal is separated from the black and white (luminance) part of the picture.

Note: Remember to connect the left and right audio cables to the AUDIO IN jacks because the S-VIDEO cable carries only the picture signal, not the sound.

- **R AUDIO IN** Provides right audio connection when using the VIDEO or S-VIDEO jack. The right audio connector is usually red.
- **L/Mono AUDIO IN** Provides left audio connection when using the VIDEO or S-VIDEO jack. The left audio connector is usually white.

Note: If your component has only one output for audio (mono), connect it to the L/Mono AUDIO jack on the TV and don't connect the R AUDIO part of the cable. In this case, you need to change a setting to hear sound from both speakers. Go to the **Sound** menu, highlight **Sound Type** and then choose **Mono**.

• **VIDEO IN** Provides composite video connection. The video connector is usually yellow.

ANTENNA/CABLE Lets you connect a coaxial cable to receive the signal from the antenna, cable, or cable box.

AUDIO OUTPUT

- **SUBWOOFER OUT** Provides lower bass frequencies out from the TV and to a powered subwoofer.
- **R AUDIO OUT** Use to output the right audio of the selected source component connected to this unit to an AV amplifier or similar component.
- **L AUDIO OUT** Use to output the left audio of the selected source component connected to this unit to an AV amplifier or similar component.

Note: Set the Audio output to Fixed or Variable in the **Sound** menu. Go to page 27 for more information.

Power In Connect the power cord to this jack to give the TV power.

Side Panel

• **Headphone** Allows you to connect headphones to listen to the sound coming from the TV.

Note: When you plug in headphones, the TV's internal speakers are automatically turned off.

If you can't locate your remote, you can use the side panel of your TV to operate many of the TV's features.

MENU Brings up the Main menu. When the menu system is displayed, pressing MENU selects highlighted items.

- **VOL** Increases the volume. In the menu system, it points right to items and adjusts menu controls.
- **VOL** Decreases the volume. In the menu system, it points left to items and adjusts menu controls.
- **CH**▲ Scans up through the current channel list. In the menu system, it points up to items and adjusts menu controls.
- **CH** ▼ Scans down through the channel list. In the menu system, it points down to items and adjusts menu controls.

POWER Turns the TV on and off.

Note: If you use the Front Panel Block feature, the front panel buttons no longer provide access to the menus. Go to Chapter 3 for more information.

Connect Your Cable

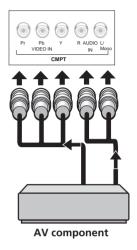
Connect your cable or antenna to the ANTENNA/CABLE jack on the bottom panel of the TV using a coaxial cable.



Using the CMPT Jack

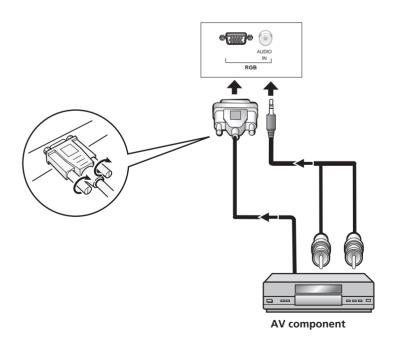
Connect a component, such as a VCR, DVD player or Satellite Receiver, to the TV using the CMPT jacks. Connect Component cables to the Y Pb Pr VIDEO IN jacks on the bottom panel of the TV and to the Component Out jacks on the component. Then connect audio cables to the CMPT AUDIO IN jacks (R and L) on the bottom panel of the TV and to the Audio Output jacks on the component.

Note: The CMPT input also accepts Y Cr Cb signals. Your TV will automatically adjust to that type of signal.



Using the RGB Jack

Connect a component, such as a DVD player or digital cable box, to the TV using the RGB jack. Connect one end of a 15 pin D-sub cable to the RGB jack on the bottom of the TV and the other end to the RGB out jack on the component. Then connect the supplied 3.5mm mini phone to audio cable adapter to the RGB AUDIO IN jack on the bottom of the TV. Connect audio cables to the adapter and connect the other end to the Audio Output jacks on the component.



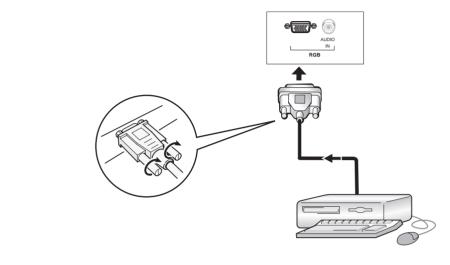
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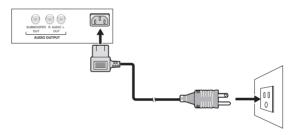
Connection to a Personal Computer

Using RGB

Connect a personal computer to the TV using the RGB jack. Connect a 15-pin monitor cable to the computer and the other end to the bottom of the TV.

Note: Your computer will most likely output the signal in a 4:3 aspect ratio. Be sure to change the monitor setting for the best picture quality.





Plug in the TV

Plug the flat end of the cable into the power jack on the bottom panel of the TV. Plug the end of the power cord into an appropriate wall outlet. Be sure to insert the plug completely. Do not plug into an outlet controlled by a light switch.

Put batteries in the remote

- Remove the battery compartment cover from the back of the remote by pushing down on the tab and lifting the cover.
- Insert 2 fresh "AAA" batteries. Make sure the polarities (+ and -) are aligned correctly.
- Replace the cover.

Turn on the TV

Press TV on the remote, or press POWER on the TV's side panel.

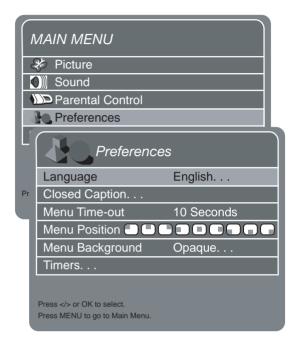
Note: Pressing the TV button turns on the TV and puts the remote into TV mode. "TV mode" means that the buttons on the remote control operate the TV's functions.

Adjust the Viewing Angle of the TV

The TV's screen is adjustable simply by pushing on the top, front part of the screen, while your other hand holds the base of the TV.

Set Up Your TV

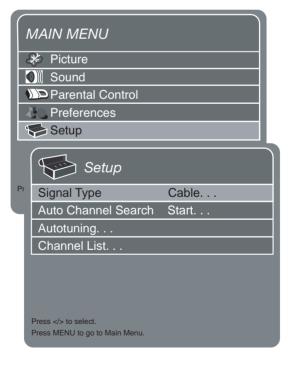
There are several options you might need to set up in order for your TV to work properly. Turn on your TV, then press the MENU button on your remote control. Read the instructions that follow.



Choose the Menu Language

Select your preferred language for the menu system.

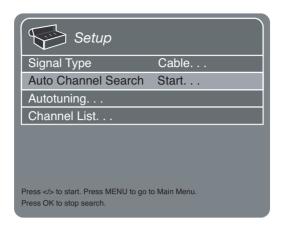
- 1. From the Main menu, press the down arrow button to highlight *Preferences*, then press OK (the *Preferences* menu appears with *Language* highlighted).
- 2. The default language is *English*. To select *French* or *Spanish*, press the right arrow button.



Choose the Signal Type

In order for your TV to search for channels, you need to make sure your signal type is set correctly.

- 1. Press the MENU button (the MAIN MENU appears).
- 2. Press the down arrow button to highlight *Setup*, then press OK (the Setup menu appears with *Signal Type* highlighted).
- 3. The *Signal Type* option is set to *Cable*. To change the option to *Antenna*, press the right arrow button.



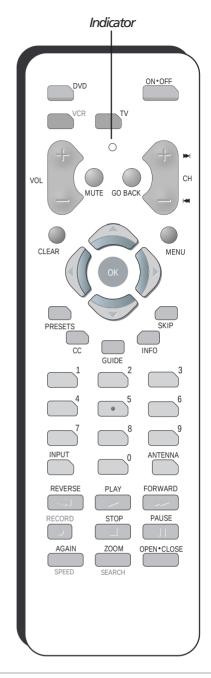
Complete Channel Search

To search for all channels viewable through your antenna or cable TV system:

- 1. From the *Setup* menu, press the down arrow button to highlight *Auto Channel Search*.
- 2. Press the right arrow button to begin the channel search.

Note: Depending on the number of channels you receive, it may take several minutes for the channel search to finish.

Chapter 2: Using the Remote Control



Tip

To turn off most RCA, GE, and Proscan components that are connected to the TV, press ON•OFF twice within two seconds.

This feature only works with most RCA, GE, and Proscan products.

Button Descriptions for TV Mode

Arrows Used to highlight different items in the TV menu and to adjust the menu controls. When viewing a channel, press the left or right arrow to change the screen format: 4:3, Zoom 14:9, Zoom 16:9, Cinerama, and 16:9 Widescreen.

Indicator Indicates the programming mode when programming the remote to control components. Lights when you press a valid button on the remote. Flickers when a button is pressed and the batteries are low.

(0-9) Number Buttons Enter channel numbers and password settings directly through the remote control.

To enter a one-digit channel, enter a zero first. To enter a two-digit channel, press the two digits and expect a few seconds delay. This is if you want to enter a third digit.

CC Brings up the Closed Caption menu.

CH + or CH - Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.

CLEAR Removes any menu or display from the screen and returns you to normal viewing.

GO BACK Returns you to the previous channel.

INFO Brings up the channel banner; press again to clear the screen.

INPUT Toggles through the available input sources (*VID1*, *CMPT*, *RGB*, *DVI* and current channel).

MENU Brings up the Main menu.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume.

OK When in the menu system, selects highlighted items.

ON•OFF When in TV mode, turns the TV on or off. If in another mode (VCR or DVD) and programmed, will turn the component on or off

PRESETS Resets the picture settings to factory default for the video input channel you're currently tuned to.

SKIP Press once before changing channels and the TV will wait 30 seconds before returning to the original channel. Press repeatedly to add more time.

TV Turns on the TV and puts the remote in TV mode. Also displays current status.

VOL – or VOL + Decreases or increases the TV's volume.

Button Descriptions for DVD and VCR Modes

AGAIN In DVD mode, replays the last several seconds of the title you're playing.

ANTENNA In VCR mode, functions as a TV/VCR button.

Using the Remote Control

DVD Puts the remote in DVD mode and, if auto tuning is enabled, will turn on the TV and tune to the correct video input channel. Also used with the ON•OFF button to turn on other compatible DVD players.

GUIDE If you're operating another component that has an on-screen program guide, this button accesses the on-screen guide.

OPEN•CLOSE In DVD mode, opens or closes the DVD disc tray.

REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE If programmed, provides transport control for some remote-controllable VCRs or DVD players.

SEARCH In VCR mode, accesses Index Search feature.

SPEED In VCR mode, selects a recording speed.

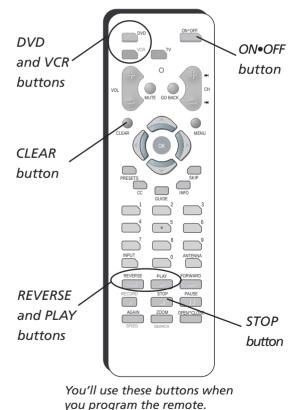
VCR Puts the remote in VCR mode and, if auto tuning is enabled, will turn on the TV and tune to the correct video input channel.

ZOOM In DVD mode, zooms in on the picture.

Using the INPUT Button

Use the INPUT button to scroll through the available video input channels and view components you have connected to the TV.

- 1. Make sure the component you want to view is turned ON.
- 2. Press INPUT to tune to an available video input source and view the component.
- 3. To return to the previous channel, continue pressing INPUT.



Programming the Remote to Operate Other Components

The universal remote can be programmed to operate most brands of remote controllable components. The remote is already programmed to operate most RCA, GE, and Proscan components.

Notes: The TV button can't be programmed on this remote. The remote may not be compatible with all brands and models of components. It also may not operate all functions of the remote that came with your component.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed for your component, turn the component ON. For example, to program the remote for a VCR, turn on the VCR. Point the remote at the VCR, and press the VCR button. Then press ON • OFF or CH + (channel up) or CH – (channel down) to see if the VCR responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Programming the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

Using the Remote Control

Using Automatic Code Search

The following instructions can be used to program the remote to operate each of your components. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

- 1. Turn on the component you want to operate (VCR or DVD player)
- 2. Press and hold the component button you want to program (VCR or DVD). While holding the component button, press and hold ON•OFF until the indicator on the remote turns on, then release both buttons.
- 3. Point the remote at the component. Press and release PLAY (the indicator light on the remote flashes).
 - The remote is searching for the correct code to program. When the indicator stops flashing (after about 5 seconds), press PLAY again to tell the remote to search the next set of codes.

Continue pressing PLAY until the component turns off or the indicator light on the remote turns off. If the indicator light turns off, then all the codes for that particular component have been tested once. If the component does not turn off, then the remote can't be programmed to operate that component.

Note: Each time you press PLAY, the remote sends about 10 sets of codes. Therefore, you might have to press the PLAY button up to 20 times.

If the component you want to operate does turn off:

- 1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the device turns back ON.
- 2. To finish, press and hold STOP until the indicator on the remote turns off.

Using Direct Entry

- 1. Turn on the component to be programmed.
- 2. Look up the brand and code number(s) for the component on the code list in this section.
- 3. Press and hold the component button you want to program on the remote.
- 4. Enter the code from the remote control code list on the following pages. If the indicator flashes, you have either entered an invalid code or the button isn't programmable.
- 5. Release the component button.
- 6. Point the remote at the component. Press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.
- If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
- If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

How to Use the Remote After You've Programmed It

Because this universal remote can operate several different components, it uses operational modes triggered by the component buttons. For example, if you want the remote to operate the TV, you would press the TV button to put the remote into TV mode before you could operate the TV.

- 1. Press the appropriate component button (DVD, TV, VCR) to set the remote to operate the component.
- 2. Press ON•OFF to turn the component ON or OFF.
- 3. Use the remote buttons that apply to that component.

Note: If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR on the remote control to put the remote in VCR mode.)

Using the Remote Control

Remote Control Codes

VCR Codes

Programmable for VCR button.

Admiral								
Adventura								
Aiko								
Aiwa								
Akai American High								
Asha								
Audio Dynamics								
Audiovox								
Bell & Howell								
Beaumark								
Broksonic								
Calix								2014
Candle					2013,	2014,	2015,	2016
						. 2017,	2018,	2019
Canon								
Capehart								
Carver								
CCE								
Citizen								
C-1- +								
Colortyme								
Craig								
Curtis-Mathes								
Ourto Maries								
Cybernex								
Daewoo								
Daytron								
DBX							2009,	2010
Dimensia							2000,	213
Dynatech								
Electrohome								
Electrophonic								
Emerson								
FisherFuji								
Funai								
Garrard								
GE								
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Goldstar								
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Harley Davidson							 	2020
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Harley Davidson				2057,	2107,	2111,	2055, 2120,	2020 2009 2009 206 201 2056 2122 2023
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Harley Davidson				2057,	2107,	2111,	2055, 2120,	2020 2020 2009 2061 2011 2056 2122 2023 2021
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Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney				2057,	2107,	2111,	2055, 2120, 2011, 2055,	2020 2020 2009 2061 2011 2056 2122 2021 2021 2021 2021 2025
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney				2057,	2107, 2009, 2009, 2021, 2059,	2111, 2010, 2022, 2060,	2055, 2120, 2011, 2055, 2107,	2020 2009 2006 2011 2056 2122 2022 2021 2013 2056 2118
Harley Davidson			2009,	2057, 2014, 2058, 2010,	2107, 2009, 2021, 2059, 2011,	2010, 2022, 2060, 2055, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111,	2020 2009 2061 2011 2056 2122 2023 2023 2013 2056 2118 2111 2123
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Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH		2009,	2009,	2057, 2014, 2058, 2010, 2011,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111,	2020 2020 2005 2011 2056 2122 2022 2022 2013 2056 2118 2112 2122 206
Harley Davidson		2009,	2009,	2057, 2014, 2058, 2010, 2011,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111,	2020 2020 2009 2063 2013 2025 2022 2021 2025 2021 2013 2056 2118 2112 2122 2063 2020 2020 2020 2020 2020 2020 20
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd		2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011,	2107, 2009, 2001, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111,	2020 2020 2009 2063 2012 2022 2022 2023 2021 2013 2056 2118 2112 2123 2063 2022 2022 2022 2022 2023 2024 2024 202
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Logik		2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111,	2020 2020 2009 206 201 2056 202 202 202 2013 2056 2118 2112 212 206 202 202 202 202 203 205 205 205 205 205 205 205 205 205 205
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Logik LXI		2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111,	2020 2020 2009 2061 2056 2122 2022 2022 2013 2056 2118 2112 2122 2062 2022 2022 2022 2022 2023 2024 2024 202
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KIH Kodak Lloyd Logik LXI Magnavox		2009,	2009,	2057, 2014, 2058, 2010, 2011,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2018, 2018, 2018,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014,	2020 2020 2009 2063 2012 2025 2022 2022 2013 2056 2118 2112 2026 2022 2026 2020 2020 2020 2020
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Logik LXI Magnavox		2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011, 2063,	2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018, 2021, 2105,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014, 2014,	2020 2020 2060 2011 2056 2122 2022 2022 2013 2056 2118 2112 2020 2020 2020 2020 2020 2020
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Lloyd Logik LXI Magnavox Magnin		2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011, 2063,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018, 2021, 2105,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014, 2022, 2108,	2020 2020 2006 2011 2056 2122 2022 2022 2013 2056 2118 2112 2022 2022 2026 2020 2020 2020 2020
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Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KIH Kodak Lloyd Logik LXI Magnavox Magnin Marantz Marta	2009,	2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011, 2063, 2016,	2107, 2009, 2021, 2059, 2011, 2016, 2104, 2018,	2010, 2022, 2060, 2055, 2018, 2018, 2021, 2105,	2011, 2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014, 2022, 2108,	2020 2020 2060 2011 2056 2022 2022 2023 2056 2111 2122 2066 2014 2062 2012 2012 2013 2020 2020 2020 2020 202
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Logik LXI Magnavox Magnin Marantz Marta Masushita	2009,	2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011, 2063, 2016,	2107, 2009, 2021, 2059, 2011, 2016, 2104, 2018,	2010, 2022, 2060, 2055, 2018, 2018, 2018, 2021, 2105,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014, 2022, 2108,	2020 2020 2060 2011 2056 2122 2022 2013 2015 2111 2122 2056 2118 2122 2062 2022 2022 2022 2022 2022 2024 2014 2062 2014 2062 2014 2062 2014 2062 2064 2074 2074 2074 2074 2074 2074 2074 207
Harley Davidson Harman Kardon Harman Kardon Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Lloyd Lloyd Llogik LXI Magnavox Magnin Marantz Marta Masushita Mei	2009,	2009,	2009, 2010,	2057, 2014, 2058, 2010, 2011, 2063, 2016,	2107, 2009, 2021, 2059, 2011, 2016,	2010, 2022, 2060, 2055, 2018, 2018, 2019, 2021, 2021,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014, 2022, 2108,	2020 2020 2060 2011 2056 2122 2022 2023 2056 2118 2112 226 2022 2022 2022 2022 2022 2032 204 204 2062 2014 2062 2014 2062 2014 2062 2014 2062 2014 2062 2074 2074 2074 2074 2074 2074 2074 207
Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Logik LXI Magnavox Magnin Marantz Marta Masushita	2009,	2009,	2009, 2010, 2011, 2011, 2014,	2057, 2014, 2058, 2010, 2011, 2063, 2016,	2107, 2009, 2021, 2059, 2011, 2016, 2104, 2018,	2010, 2022, 2060, 2055, 2018, 2018, 2021, 2105, 2021, 2021,	2055, 2120, 2011, 2055, 2107, 2056, 2111, 2111, 2014, 2022, 2108, 2062,	2020 2020 2000 2011 2056 2122 2022 2023 2013 2056 2118 2112 2122 2062 2022 2064 2014 2062 2014 2062 2014 2022 2022 2022 2022 2022 2022 202
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Harley Davidson Harman Kardon Harwood Headquarter Hitachi Hi-Q Instant Replay JCL JC Penney Jensen JVC Kenwood KLH Kodak Lloyd Logik LXI Magnavox Magnin Marantz Marta Marta Masushita Mei Memorex MGA MGN MGN MGN Misolta Mitsubishi 2069, Montgomery Ward MTC Multitech	2009,	2009, 2010, 2013, 2029, 2071,	2009, 2010, 2011, 2014, 2072,	2014, 2058, 2010, 2011, 2063, 2016, 2073, 2016, 2073, 2013, 2016, 2073, 2016,	2107, 2009, 2021, 2059, 2011, 2016, 2104, 2018, 2023, 2074, 2016,	2010, 2022, 2060, 2018, 2018, 2021, 2021, 2021, 2021, 2026, 2029, 2055, 2066, 2106,	2055, 2120, 2011, 2055, 2107, 2014, 2014, 2062, 2108, 2066, 2067, 2113, 2075, 2021, 2013, 2075, 2021, 2013, 2055, 2021, 2013, 2055, 2021, 2013, 2055, 2055, 2021, 2013, 2055, 2025, 2021, 2013, 2015,	2022 2022 2006 2011 2056 2122 2022 2013 2056 2111 2122 2022 2026 2022 2032 2042 2042 2056 2014 2062 2012 2022 213 213 213 213 214 205 2022 213 213 214 205 2022 203 203 203 203 203 203 203 203 20
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Olympus								
Optimus							2014,	2132
Optonica								2096
Panasonic								
Pentax								
Pentex Research								2018
Philco					. 2021,	2022,	2062,	2063
Philips								
Pilot								2014
Pioneer				2010,	2055,	2080,	2081,	2123
Portland					. 2016,	2017,	2019,	2110
Proscan								
Protec								
Pulsar								
Quarter								
Quartz								
Quasar								
RCA								
2	2090,	2091,	2107,	2115,	2120,	2125,	2131,	2133
Radioshack/Realistic					2011,	2013,	2014,	2021,
2								
Radix								
Randex								
Ricoh								
Runco								
Samsung								
Sanky								
Sansui								
Sanyo								
Scott								
Sears								
Shirtom								
Shintom								
Signature								
Singer								
Sony								
STS								
Sylvania		2021	2022	2026	2062	2063	2065	2124
Symphonic								
Tandy								
Tashiko								
Tatung								
TEAC								
Technics								
Teknika								
TMK								
Toshiba								
Totevsion								
Unitech								2013
Vector Research								
Victor								2010
Video Concepts								
Videosonic								2013
Wards					2013,	2014,	2015,	2021,
			2023,	2026,	2029,	2055,	2056,	2061,
		2096,	2101,	2102,	2103,	2107,	2116,	2132
XR-1000						2021,	2026,	2061
Yamaha				2009,	2010,	2011,	2018,	2111
Zenith				2004,	2098,	2104,	2119,	2128
DV	D c	:ode	25					

Programmable for DVD button.

Aiwa	
Apex	3023, 3024
ĜE	
Hitachi	3008
JVC	
Konka	3011, 3012
Magnavox	3003
Mitsubishi	3004
Panasonic	
Philips	3003, 3019, 3021, 3022
Pioneer	
Proscan	
RCA	
Samsung	
Sanyo	
Sony	
Toshiba	
Zenith	

Chapter 3: Using the TV's Features

About the Channel Banner

The Channel Banner appears when you press the TV or INFO button on the remote. The following list describes the items on the Channel Banner screen (left to right and top to bottom). Other displays that are not described here are self-explanatory.

The icons change appearance to show the item's status or availability.

8 Displays the current channel you are watching or input you are tuned to.

Mute Icon Displayed when you mute the sound.

Parental Controls Lock Icon Displayed when Parental Controls are locked.

Commercial Skip Timer 00:00:30 Corresponds to the SKIP button. Shows the amount of time left before the TV switches back to the previous channel.

Sleep Timer 01:30 Displays the amount of time remaining before the TV turns off if you have set the sleep timer.

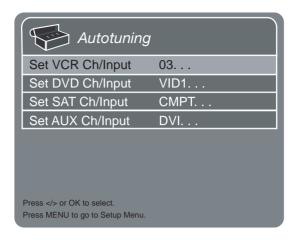
Why You Should Use the Autotuning Feature

The autotuning feature tunes the TV to the correct channel for different components you have connected to your TV (like a VCR or DVD Player). When you set up autotuning in the menu system, you don't have to remember to change your TV to channel 3, for example, when you want to watch the tape in your VCR.

How to Set Up the Autotuning Feature

The way you set up the autotuning feature in the TV's menu corresponds to the component buttons on the remote and the way you have each component connected to your TV. When you set up autotuning, you're telling the TV what channel to tune to when you press the VCR or DVD button on the remote control.

- 1. Press MENU (the MAIN MENU appears).
- 2. Highlight Setup and press OK on your remote control.
- 3. Highlight Autotuning and press OK.
- 4. Cho3s t1ve



N/A Choose this if you don't have this particular component connected to the TV, or if you don't want the TV to automatically tune to the correct channel when you're using this component.

03/04 Component is connected to the Antenna/Cable jack on the TV, and you want the TV to tune to channel 3 or 4 (VCR only) when you press the corresponding button on the remote. Reminder: make sure the component's Channel 3/4 switch is set to the appropriate channel.

VID1 Component is connected to the VID1 Video In or S-Video In jack on the TV and you want the TV to tune to a video input channel when you press the corresponding button.

CMPT Component is connected to the Y Pb Pr jacks on the TV and you want the TV to tune to the component video input channel when you press the corresponding button.

RGB Component is connected to the RGB jack on the TV and you want the TV to tune to the RGB input channel when you press the corresponding button.

DVI Component is connected to the DVI jack on the TV and you want the TV to tune to the DVI video input channel when you press the corresponding button.

PIP (Picture-in-PC) Operation

The PIP (Picture-In-PC) feature lets you display a second, smaller analog (NTSC format) picture on top of the PC picture. You will only be able to use the PIP window with analog channels.

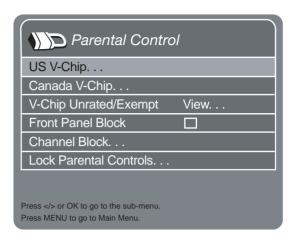
Using the PIP Feature

The PIP feature works with a component that is connected to your TV that has a tuner that displays analog (NTSC) channels. While you may use PIP in different ways, this basic PIP scenario should get you started. When tuned to your PC input, follow these steps.

- 1. Turn *Picture in PC* on from the *PC Picture Quality* menu. The PIP window appears on the screen.
- 2. Press the INPUT button to view PIP from another input channel.
- 3. Use the CH+ or CH- button to change the PIP channel.
- 4. Press CLEAR to clear PIP.

PIP Problems?

- If you press PIP and the PIP window is gray, you may have activated the Parental Control feature and the program exceeds the rating limits you set. For information on removing limits, see the following section.
- You cannot view closed captioning in the PIP window.
- PIP cannot be displayed from component (Y,Pb,Pr) inputs.



Parental Controls

The *Parental Control* menu allows you to program your TV so that children cannot see certain programs, channels, or use the front panel controls. The *Parental Control* menu also involves software inside your TV (referred to as V-Chip) which lets you program your TV so it won't display certain programs and movies based on violence, sex, or other content you may believe children should not view. Once you block programs, you or other adults can unblock programs by entering a password to unlock video or enter the password to edit the features in the *Parental Control* menu. By default, the software inside your TV is turned "off," so if you don't want to use this feature, you can just ignore it.

How V-Chip Works

The V-Chip software reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains and the TV is locked and you tune to a program whose rating exceeds the rating limit you set, you will receive a message telling you that the program is not approved for viewing.

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating and the TV is locked. You can also block out programs that have been given a rating of Not Rated, and programs that are considered unrated. The TV age-based ratings and content themes you can block are listed on the next page.

US V-Chip Rating System

TV-MA (Mature Audience Only) Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).

TV-14 (Parents Strongly Cautioned) Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).

TV-PG (Parental Guidance Suggested) Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).

TV-G (General Audience) Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).

TV-Y7 (Directed to Children 7 years and older) Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.

TV-Y (All Children) Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

Canadian English V-Chip Rating System

18+ (Adults) Programming intended for adults 18 and older. It may contain elements of violence, language, and sexual content which could make it unsuitable for viewers under 18. Violence Guidelines: May contain violence integral to the development of the plot, character or theme, intended for adult audiences. Other Content Guidelines: May contain graphic language and explicit portrayals of nudity and/or sex.

14+ (Viewers 14 and over) Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Violence Guidelines: May contain intense scenes of violence. Could deal with mature themes and societal issues in a realistic fashion. Other Content Guidelines: May contain scenes of nudity and/or sexual activity. There could be frequent use of profanity.

PG (Parental Guidance) Programming intended for a general audience but which may not be suitable for younger children (under the age of 8). Parents may consider some content inappropriate for unsupervised viewing by children aged 8-13. Violence Guidelines: Depictions of conflict and/or aggression will be limited and moderate; may include physical, fantasy, or supernatural violence. Other Content Guidelines: May contain infrequent mild profanity, or mildly suggestive language. Could also contain brief scenes of nudity.

G (General Audience) Programming considered acceptable for all ages groups. While not designed specifically for children, it is understood younger viewers may be part of the audience. Violence Guidelines: Will contain very little violence, either physical or verbal or emotional. Will be sensitive to themes which could frighten a younger child, will not depict realistic scenes of violence which minimize or gloss over the effects of violent acts. Other Content Guidelines: There may be some inoffensive slang, no profanity and no nudity.

C8+ (Children 8 and Older) Programming generally considered acceptable for children 8 years and over to watch on their own. Violence Guidelines: Violence will not be portrayed as the preferred, acceptable, or only way to resolve conflict or encourage children to imitate dangerous acts which they may see on television. Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. Other Content Guidelines: There will be no profanity, nudity or sexual content.

C (Children) Programming intended for children under age 8. Violence Guidelines: Careful attention is paid to themes which could threaten children's sense of security and well being. There will be no realistic scenes of violence. Depictions of aggressive behaviour will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature. Other Content Guidelines: There will be no offensive language, nudity or sexual content.

Canadian French V-Chip Rating System

18+ (Adults) Programming is for adults only. This program contains sustained violence or extremely violent scenes.

16+ (Viewers 16 and over) Programming is not suitable for those under age 16. This program contains frequent scenes of violence or intensely violent scenes.

13+ (Viewers 13 and over) Programming may not be suitable for children under the age of 13. This program either contains several violent scenes or one or more scenes that are violent enough to affect them. Viewing in the company of an adult is therefore strongly recommended for children under the age of 13.

8+ (Viewers 8 and over) Not recommended for young children. This program is suitable for most audiences, but it contains mild or occasional violence that could upset young children. Viewing in the company of an adult is therefore recommended for young children (under the age of 8) who do not distinguish between reality and imagination.

G (General Audience) This program is suitable for audiences of all ages. It contains no violence, or any violence that it does contain is either minimal or is presented in a humorous manner, as a caricature, or in an unrealistic way.



V-Chip TV Ratings

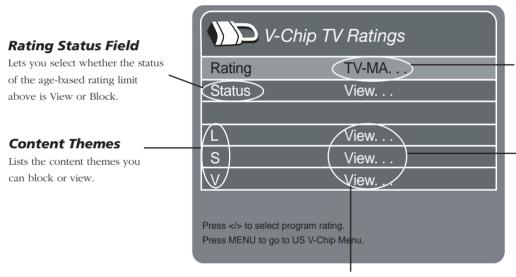
The *V-Chip TV Rating* lets you decide which TV programs can and cannot be viewed. To set TV programming limits:

- 1. Choose *Parental Control* from the Main menu. If *Parental Control* has previously been locked, you must enter your password.
- 2. Highlight and select US V-Chip.
- 3. Press OK to select *V-Chip TV Ratings*.
- 4. Once you get to the *V-Chip TV Ratings* screen, use the arrow buttons and OK on your remote to change the status of a TV program rating or content theme from *View* to *Block*.

Proceed to the next sections for more details about how to change the status of TV program limits.

The V-Chip Rating Limit Screen

The following is an example of where items are located within the V-Chip TV Ratings screen.



Rating Settings Area

Lets you see the current block/view state of agebased ratings and associated content.

Rating Field

Lets you select the age-based rating you want to block or view.

Content Status Fields

Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View or Block.

Hierarchy of Age-Based Ratings				
TV-MA	Mature Audience Only			
TV-14	Parents Strongly Cautioned			
TV-PG	Parental Guidance Suggested			
TV-G	General Audience			
TV-Y7	Directed to Children 7 years and older			
TV-Y	All Children			

Blocking Age-Based Ratings

You can automatically block all program ratings above a specified age-based rating level. For example, if you only want your child to watch programs that have a TV-G rating and lower (in other words, you want the child to watch TV-G, TV-Y7, and TV-Y), then you need to block out higher ratings.

To block programs with higher ratings:

- 1. First, determine the lowest level rating you don't want the child to watch.
- 2. Highlight the lowest rating you do not want the child to watch. In the example discussed above, you would highlight TV-PG, since the highest rating you want the child to watch is TV-G.
- 3. Highlight *Status*. Press the OK button to toggle between *View* and *Block*. The status for the rating you chose and all higher ratings automatically change to *Block*.
- 4. Select *Lock Parental Controls* from the *Parental Control* menu. Enter a password and if haven't set your password, you'll need to re-enter the password a second time to confirm.

Viewing Age-Based Ratings

After you block age-based ratings, you have the option of changing some of the ratings back to *View*.

- 1. Determine which blocked rating you want to view.
- 2. Use the up and down arrow buttons to highlight the rating with a status of *Block*.
- 3. Press the OK button to select View.

Rating TV-14... Status View... D View... L Block... S View... V View...

Press MENU to go to US V-Chip Menu.

Content Themes D Sexually explicit dialogue L Adult language S Sexual situations V Violence FV Fantasy Violence

Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the D, L, S, V and FV on your screen.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

To block program content:

- 1. Determine the content themes you want to block.
- 2. Highlight *Rating*, then press the right arrow to select the agebased rating you want to change.
- 3. Press the down arrow button to highlight a particular content theme.
- 4. Press the OK button to change its status to *Block*. (In the example to the left, you block the language (L) corresponding with TV-14. The language for TV-MA is blocked as well).

Notes: Broadcasters are not required to provide content themes or age-based ratings.

You must remember to activate Parental Controls for rating limits to take effect.

Viewing Specific Content Themes

- 1. Determine the content themes you want to change to View.
- 2. Highlight Rating.
- 3. Press the right arrow button to select the rating whose content theme you want to change, such as *Block* next to language (L) corresponding with TV-14.
- 4. Press the down arrow button to move the highlight to a particular content theme.
- 5. Press the OK button to change the status back to *View*. Your child would then be able to watch programs with the TV-14 adult language content, but not programs with TV-MA language content.

Note: Only the content theme status corresponding to TV-14 (L) language changes to (V) View. Higher rated content themes, such as that for TV-MA language, do not change.

V-Chip Movie Rating Limit

You set movie rating limits by blocking movies rated above a specified rating. How to block movie ratings and view movie ratings is explained in the next two sections.

To access the V-Chip Movie Rating menu:

- 1. Press MENU on the remote control (the MAIN MENU appears).
- 2. Press the down arrow button to select Parental Control.
- 3. Select US V-Chip.
- 4. Select V-Chip Movie Ratings.

Blocking Movie Ratings

If you only want your child to watch movies that have a PG rating and lower (in other words, movies rated PG and G), then you could automatically block out all other movies with higher ratings.

To block movies:

- 1. Highlight the rating that is the lowest rating you don't want the child to watch. (In the example above, you would highlight the rating status button corresponding to PG-13, since the highest rating you want the child to watch is PG.)
- 2. Press the OK button to change from *View* to *Block*. All higher ratings automatically change to *Block*.
- 3. If the TV is not locked, you must lock it so the movie rating limits will take effect.

Note: Some movies may be given a Not Rated (NR) rating. After blocking movie ratings, you must unlock NR separately in order to view movies with an NR rating.

Viewing Movie Ratings

After you block movie ratings, you have the option of changing some of the rating status buttons back to *View*:

- 1. Highlight the rating you want to view.
- 2. Press the OK button to change the button from *Block* to *View*.

For example, if movies with a rating of PG-13 and higher are blocked, you can change the rating status corresponding with NC-17. Your child would then be able to watch all movies with a G, PG, and NC-17 Rating.

3. Exit the screen, and be sure the TV is locked.





Blocking Canadian V-Chip Ratings

If you receive Canadian programs you can block Canadian English and French V-Chip by ratings only. When you block a particular rating, you automatically block the higher rated programs as well.

To block Canadian English and French program ratings:

- 1. Select Canada V-Chip from the Parental Control menu.
- 2. Highlight English Ratings or French Ratings and press OK.
- 3. Determine the rating you want to block.
- 4. Press the down arrow button to scroll to the rating you want to change.
- 5. Press the OK button to change its status to *Block*. All ratings above the one you selected change to *Block*.

V-Chip Unrated/Exempt Block

The *V-Chip Unrated/Exempt* option lets you decide if programs that the V-Chip recognizes as unrated can be viewed. Unrated TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, public announcements, and programs without ratings. The *V-Chip Unrated/Exempt* option applies to both US and Canadian unrated programs and Canadian programs rated *E*.

View All unrated programs are available.

Block All unrated programs are not available.

Note: You must remember to lock Parental Controls for rating limits to take effect.

Press the down arrow to highlight *V-Chip Unrated/Exempt*. Then press the right arrow to toggle between *View* and *Block*.

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Front Panel Block

Selecting this option lets you block (disable) or unblock (enable) the TV's front panel buttons. The remote still tunes to any channel. *Front Panel Block* can:

- Keep children from watching TV when the parent is not present.
- Keep young children from playing with the buttons on the TV.

(When using this as a *Parental Control* method, you should remove access to any remote that is capable of operating the television while you have the front panel blocked.)

Don't forget to lock the TV after you disable *Front Panel Block* (box has check mark). If you do not, the front panel block will not take effect.

Note: If power to the TV is lost for more than an hour, the buttons become unblocked.

To temporarily override front panel block, make sure no menus are displayed on-screen. Simultaneously press and hold the MENU button on the TV's side panel and CLEAR on the remote for approximately 10 seconds.

Channel Block

Selecting this option lets you decide the channels you want to block. Use the number buttons to enter the channel you want to view or block, then press OK.

If the *Block* box doesn't have a check mark, the selected channel is viewable. If the box has a check mark and you tune to a blocked channel, you need to enter a password to view the channel.

Don't forget to lock parental controls after you change the status of *Channel Block*. If you don't lock Parental Controls, the channel block will not take effect.

Lock/Unlock Parental Controls

Selecting this option lets you activate and deactivate parental control settings.

- 1. From the Parental Control menu, press the down arrow button to highlight Lock Parental Controls.
- 2. Press the OK button to activate the lock setting. Enter a password. To unlock Parental Controls, follow these same steps.

If you do not Lock Parental Controls, none of the settings for V-Chip will take effect.

If you forget your password you can reset it. Make sure no menus are displayed on-screen. Simultaneously press and hold VOL < on the TV's side panel and the OK button on the remote for approximately 10 seconds. Enter a new password next time you access the *Lock Parental Controls* menu.

Additional Features

There are additional features available through the menu system, such as:

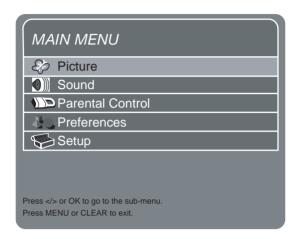
- Picture adjustments
- Sound adjustments
- Backlight adjustment
- Black level adjustment
- Noise reduction
- Film Mode (3:2 Reverse Pulldown)
- Timers

Go to the next chapter for more details.

Chapter 4: Using the Menu System

Menus, On-screen Help, and Control Panels

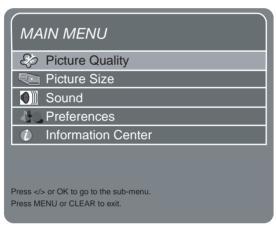
This section explores menus of your TV beginning with some information on using menus and control panels. Each menu is outlined and detailed to help you get the most from your TV. The *Parental Control* menu is discussed in the Features chapter.



The first menu you see when you press the MENU button on the remote is called the *MAIN MENU*. To use the *MAIN MENU*:

- 1. Press the MENU button (the MAIN MENU appears).
- 2. Use the arrow buttons (left, right, up, down) to move through the menu items.
- 3. Press the OK button or right arrow button to select a highlighted item in the menu.

Note: The Picture, Sound, Parental Control, and Preferences menus are available and can be customized for each input. If an option within a menu isn't available for an input it will be noted.



If you connect a computer to the TV, using the RGB or DVI jack, the PC *MAIN MENU* is displayed when you press the MENU button. You can make changes or view *Picture Quality*, *Picture Size*, *Sound*, *Preferences*, or *Information Center* menu. To use the PC *MAIN MENU*:

- 1. Press the INPUT button until the RGB or DVI (depending on which jack you're using for the computer) Input selection appears.
- 2. Press the MENU button (the PC MAIN MENU appears).
- 3. Use the arrow buttons (left, right, up, down) to move through the menu items.
- 4. Press the OK button or right arrow button to select a highlighted item in the menu.

Exiting a menu

There are two ways to exit a menu:

- Press MENU until on-screen menus disappear.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to TV viewing.

Controls

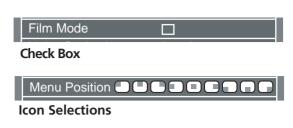
Controls let you adjust the default settings of your TV. You can choose a setting, enter a number, or adjust a level such as tint or brightness. There are four types of controls: sliders, choice lists (check boxes, icon selections), numeric entries, and option lists.

Sliders



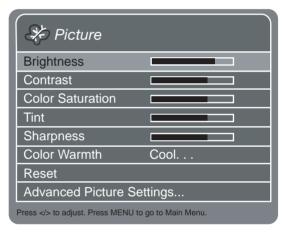
Sliders are used to select a specific point of a control that has continuous levels. To make adjustments:

- 1. Press the up or down arrow button to select the slider control for the feature you want to adjust.
- 2. Press the left or right arrow button to adjust the indicator on the slider.









Choice Lists

Check boxes allow you to turn on or off an option. An icon selection lets you select only one option in a choice list.

Press the left or right arrow button or press OK to select an icon selection or turn on or off an option.

Numeric Entries

Numeric entry fields are used to enter numbers and passwords. Use the number buttons on the remote to enter the information.

- 1. Use the up or down arrow button to highlight the field.
- 2. Use the number buttons to enter information.

Option Lists

An option list cycles through at least two or more choices. Press OK to select the next entry in the choice field.

Picture Menu

The *Picture* menu options apply to the video for the main TV and video input selections. The *Picture* menu displays five slider controls for adjusting the way the picture looks.

Note: Picture setting options vary for each input.

To access the Picture menu:

- 1. Press MENU on the remote control (the *MAIN MENU* appears).
- 2. Press the down arrow button on the remote control to highlight *Picture*, and then press OK. The following menu options appear, and are described in order on the following pages.

Brightness Adjusts the brightness of the picture.

Contrast Adjusts the difference between the light and dark areas of the picture.

Color Saturation Adjusts the richness of color.

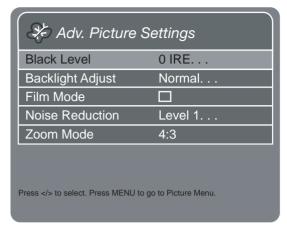
Tint Adjusts the balance between the red and green levels.

Sharpness Adjusts the crispness of the edges in the picture.

Note: Sharpness for Component video (YPbPr) only adjusts up to four levels.

Color Warmth Automatically adjusts the color temperature of the picture. Press the right arrow button to scroll through the color adjustments: Cool for a more blue palette of picture colors; Normal; and Warm for a more red palette of picture colors.

Reset Resets all picture settings to their original factory settings. Highlight *Reset* and press OK for 5 seconds to reset picture settings.



Advanced Picture Settings

Black Level Adjusts to

Black Level Adjusts the amount of light the picture emits for the darkest areas of an image. Select O IRE when the dark colors appear too dark; select 7.5 IRE to enhance the dark contrast in the picture.

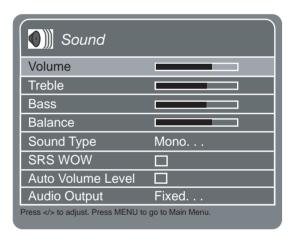
Backlight Adjust Press the right arrow button to scroll through the adjustments to the TV screen, depending on room lighting: Soft; Normal; and Bright.

Film Mode (Also known as 3:2 Reverse Pulldown) Detects and converts film content for better display with minimal artifacts. If you're watching a movie, turn on (box has check mark).

Noise Reduction Reduces the picture "static" or any type of interference. Select None if the signal is clear; Level 1 if the signal has minimal static; Level 2 if the signal has some static; and Level 3 if the signal has a lot of static.

Zoom Mode Allows you to change how the image of a 4:3 picture is displayed on your 16:9 screen: 4:3, Zoom 14:9, Zoom 16:9, Cinerama, and 16:9 Widescreen. You can also use the left or right arrow button on the remote to toggle through these options.

Note: Zoom Mode options vary for DVI and RGB inputs.



Sound Menu

The *Sound* menu lets you adjust audio output. To access the *Sound* menu, press MENU on the remote, and then select *Sound* from the main menu.

Volume Increases or decreases the volume coming from the TV's speakers.

Treble Increases or decreases the treble.

Bass Increases or decreases the bass.

Balance Press the right arrow button to increase the audio output in the right speaker; press the left arrow button to increase the audio output in the left speaker.

Sound Type Press the right arrow button to scroll through the available audio types, which control the way the sound comes through your speakers: *Mono, Stereo,* and *SAP (Second Audio Program)*.

Mono plays the sound in mono only. Use this setting when receiving broadcasts with weak stereo signals.

Use *Stereo* to split the incoming stereo audio signal into left and right channels. Most TV programs and recorded materials have stereo audio.

SAP plays the program's audio in a second language, if one is available. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

Note: SAP is not available for video input channels.

SRS WOW (SRS WOW) Creates a three-dimensional sound while extending the sound range beyond the size of the speakers.

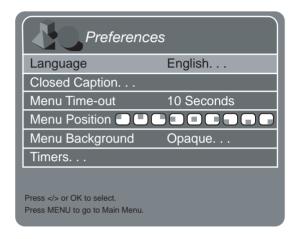
WOW, SRS and (() symbol are trademarks of SRS labs, Inc. WOW technology is incorporated under license from SRS Labs, Inc.

Auto Volume Level Turn on this feature to reduce blasts in volume during commercial breaks to create more consistent audio output.

Audio Output If you have an amplifier connected to the audio output jacks, choose *Fixed* to turn the TV speakers off and control the volume through the amplifier. Choose *Variable* when a component isn't connected to the audio output jacks.

Parental Control Menu

The Parental Control menu was explained in Chapter 3. Go to page 17 for more information.



Preferences Menu

Language Select your preferred language for the menus.

Closed Caption (only available for TV video input channel) Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the TV screen.

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. The closed caption options are:

Closed Caption Setting Choose the way closed captioning information is shown on the screen.

On Captioning information always appears, when available.

Off No captioning information displayed.

On When Mute Displays captioning information, when available, whenever the TV's sound is muted by pressing the MUTE button. The captioning information is not displayed when the sound is not muted.

Closed Caption Mode Choose which captioning mode is used for displaying captioning information. If you are unsure of the differences among the modes, you may prefer to leave the closed captioned mode set to CC1, which displays complete text of the program in the primary language in your area.

CC Displays information at any position on the screen. It overlays the text on top of the picture as it is received.

Text Displays information at one particular position (such as the bottom third) of the screen. You cannot see the picture underneath the text.

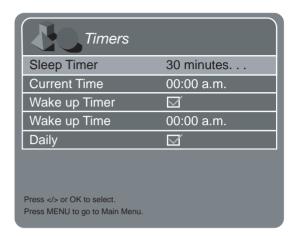
You can choose between eight closed caption modes, or sources:

- CC1 and Text1 are the primary caption and text services. The captioning or text is displayed in the same language as the program's dialog.
- CC3 and Text3 serve as the preferred data channels. The captioning or text is often a secondary language translation, simplified English, or displayed at a slower rate.
- CC2 and CC4 and Text2 and Text4 are rarely available and broadcasters use them only in special conditions, such as when CC1 and CC3 are not available, or Text1 and Text3 are not available.

Menu Time-out Set how long you want the menus to appear on-screen (starting at 10 seconds up to 180 seconds) by pressing the left or right arrow button.

Menu Position Select where you want the menu to appear on the TV.

Menu Background Select the appearance of menu background: *Opaque* for a solid background; *Translucent* for a see-through background.



Timers Displays the Timers menu. The Timer options are:

Sleep Timer Lets you set the TV to turn off after a given time. Press the right arrow button to add 30 minutes to the clock (up to 150 minutes).

Current Time Lets you to set the time. If it is 8:25, for example, you must first press the number 0 on the remote, then number 8, then 2 and then 5. Press the OK button to choose between a.m. and p.m.

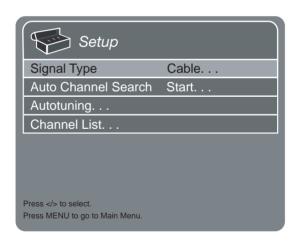
Wake up Timer Lets you set the TV to turn itself on.

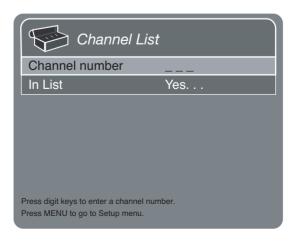
Notes: When the TV turns itself on by the Wake up Timer and no remote or front panel buttons are pressed for 2 hours, the TV will turn itself off.

If the **Wake up Timer** is turned off (box unchecked), **Wake up Time** and **Daily** aren't available.

Wake up Time Lets you set the time you want the TV to turn itself on. Follow the same instructions as setting Current Time.

Daily Turn on (box checked) to have the Wake up Timer occur daily. If the box is unchecked, the Wake up Timer occurs only once.





Setup Menu

Signal Type Press the left or right arrow button to select the signal your TV is receiving. Choose Cable if you are currently using cable or a cable box for TV signals. Choose Antenna if you are currently using an off-air antenna for TV signals.

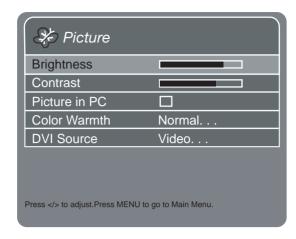
Auto Channel Search Searches for channels the signal is receiving and stores them in the TV's channel list. Go to page 10 for more information.

Autotuning Displays a choice list that lets you set up the TV to automatically tune to the correct video input channel when you press a component button (VCR, DVD, etc.) on the remote. Go to Chapter 3 for details about the autotuning feature.

Channel List Allows you to enter channels you want to delete or add to your channel list.

Channel number Use the number buttons to enter the channel number. To enter a one-digit channel, enter two zeros first. To enter a two-digit channel, enter one zero first. For example, if you want to add channel 7 to your list, press the number 0, 0, then press 7.

In List If you've entered a channel you want to add to the channel list, highlight *In List* and press the right arrow button to select *Yes*. If you've entered a channel you want to delete from the channel list, press the right arrow button to select *No*.



PC Picture Quality Menu

To access these menus, press the INPUT button on your remote until your computer appears on-screen, then press the MENU button.

Brightness Adjusts the brightness of the picture.

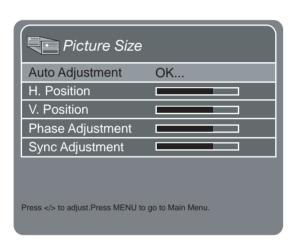
Note: Not available for DVI input.

Contrast Adjusts the difference between the light and dark areas of the picture.

Picture in PC Allows you to turn PIP on (box has checkmark) or off in PC mode. Go to page 16 for more information on PIP.

Color Warmth Press the right arrow button to scroll through the color adjustments: Cool for a more blue palette of picture colors; Normal; and Warm for a more red palette of picture colors.

DVI Source If you have a computer connected to the DVI input, press the right arrow to select *PC* as your DVI source.



PC Picture Size Menu

Note: No Picture Size options are available for DVI input.

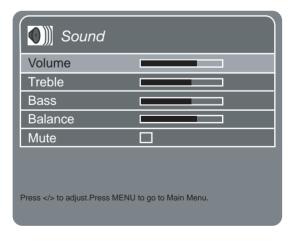
Auto Adjustment Adjusts the position of the picture automatically.

H. Position (Horizontal Position) Adjusts the picture's position left or right.

V. Position (Vertical Position) Adjusts the picture's position upward or downward.

Phase Adjustment Adjust the picture if there is flicker of screen letters, color misalignment, or blurring.

Sync Adjustment Adjust the picture if there is letter breakup, noise, or shimmering.



PC Sound Menu

Volume Increases or decreases the volume coming from the TV's speakers.

Treble Increases or decreases the treble.

Bass Increases or decreases the bass.

Balance Press the right arrow to increase the audio output in the right speaker; press the left arrow to increase the audio output in the left speaker.

SRS WOW (SRS WOW) Creates a three-dimensional sound while extending the sound range beyond the size of the speakers.

Audio Output If you have an amplifier connected to the audio output jacks, choose *Fixed* to turn the TV speakers off and control the volume through the amplifier. Choose *Variable* when a component isn't connected to the audio output jacks.

PC Preferences Menu

Language Select your preferred language for the menus.

Menu Time-out Set how long you want the menus to appear onscreen (starting at 10 seconds and goes up to 180 seconds).

Menu Position Select where you want the on-screen menus to appear on the TV.

Menu Background Select the appearance of menu background: *Opaque* for a solid background; *Translucent* for a see-through background.

Timers Displays the Timers menu with options: *Sleep Timer*, *Current Time*, *Wake up Timer*, *Wake up Time*, and *Daily*. Follow the same instructions for using the Timers as in the Preferences menu.

Backlight Press the right arrow button to scroll through the adjustments to the TV screen, depending on room lighting: Soft; Normal; and Bright.

Information Center Signal Information Resolution 800 x 600 V Frequency 60 Hz H Frequency 37.9 kHz

PC Information Center

Provides information if a PC is connected to the TV.

Signal Information

Resolution Displays the resolution of the PC.

V Frequency Displays the vertical frequency of the PC.

H Frequency Displays the horizontal frequency of the PC.

Chapter 5: Other Information

Troubleshooting

Most problems you encounter with your TV can be corrected by consulting the following troubleshooting list.

Note for U.S. customers: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359. For additional assistance while using your RCA product, please visit www.rca.com/customersupport.

TV Problems

TV won't turn on

- Press the TV button.
- · Make sure the TV is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the side panel of the TV. If the TV turns on, check the remote control solutions on page 32.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Control* menu and press OK (box won't have check mark).

Buttons don't work

- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Control* menu and press OK (box won't have check mark).
- Unplug the TV for two minutes and then plug it back in. Turn the TV on and try again.

TV turns off unexpectedly

- Sleep Timer might have been activated. Go to page 28 for instructions.
- Wake Up Timer turned on the TV and no remote or front panel buttons were pressed for two hours.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.
- Unplug TV. Wait five minutes. Plug it in again.

TV turns on unexpectedly

• Wake up Timer might have been activated. Go to page 28 for instructions.

Blank screen

- Make sure the component connected to the TV is turned on.
- Try another channel.

Sound problems, picture okay

- Maybe the sound is muted. Try pressing the volume up button to restore sound.
- If using DVI, RGB, S-Video or Y, Pb, Pr, remember to also connect the component's left and right audio output jacks to the corresponding TV's AUDIO jacks.
- Make sure the *Volume* option in the *Sound* menu is turned up.
- Make sure headphones aren't connected to the headphones jack.
- If sound is only coming from one speaker, you might have only connected the mono cable to the L AUDIO IN jack. Access the *SOUND* menu, highlight *Sound Type* and then choose *Mono*.

Can't select certain channel

- Channel may be blocked or not approved through the V-Chip.
- If using a VCR, check to make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Noisy stereo reception

• May be a weak station. Access the SOUND menu, highlight Sound Type and then choose Mono.

Other Information

No picture, no sound but TV is on

- Maybe the signal type is set wrong. Go to page 28 for detailed instructions.
- The channel might be blank change channels.
- If you're watching your VCR and it's connected with coaxial cable to the Antenna/Cable jack, tune the TV to channel 3 or 4 (whichever channel is selected on the 3/4 switch on the back of your VCR). Also check to make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try using the advanced picture settings to improve the picture. Go to page 26 for more instructions.

Black box appears on the screen

 Closed caption might be on. Check Closed Caption in the Preferences menu. Go to page 27 for more instructions

The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component that you're trying to operate.
- Maybe remote is not in TV Mode. Press the TV button so remote will control TV.
- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote.

Problems with V-Chip/Parental Controls

The rating limits don't work

• You must activate the settings. Go to the MAIN MENU (press MENU on your remote), select Parental Control, highlight and turn on Lock Parental Controls (box has check mark).

I don't remember my password and I want to unlock the TV

If you forget your password you can reset it. Make sure no menus are displayed on-screen.
 Simultaneously press and hold VOL < on the TV's side panel and the OK button on the remote for approximately 10 seconds. Enter a new password next time you access the *Lock Parental Controls* menu.

The V-Chip won't let me watch a program even though it's not rated as violent.

 Maybe the movie was given an NR (Not Rated) status. After you block movie ratings, you must unlock NR separately in order to view movies with an NR rating.

Care and Cleaning

CAUTION: Turn OFF your TV before cleaning.

You can clean the TV as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, never place drinks or vases with water on top of the TV. This could increase the risk of fire or shock hazard or damage to the TV.

Limited Warranty

What your warranty covers:

• Defects in materials or workmanship.

For how long after your purchase:

- 1 year from date of purchase- Unit exchange, which includes parts and labor.
- The warranty for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do within one year:

Exchange the unit with a new or, at our option, refurbished unit.

After one year:

Provide you with a new, or at our option, a refurbished unit. The exchange unit is under warranty for the remainder of the original product's warranty period. There is a flat exchange charge to replace a defective unit. This charge covers shipping and handling (we don't do repairs).

How you get service:

- Call 1-580-634-0182 and have your unit's date of purchase and model/serial number ready. The model/serial number information may be on the back (or on the bottom) of your unit.
- A representative will troubleshoot your problem over the phone.
- If the representative determines that you should receive a replacement unit you will be provided with a Service Request (SR) number and return instructions. No returns will be accepted without the SR number.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Acts of nature, such as but not limited to lightning damage.
- Adjustment of customer controls.
- Damage from misuse or neglect.
- A unit that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Batteries.
- Units purchased or serviced outside the U.S.A.
- Shipping damage if the unit was not packed and shipped in the manner prescribed by Thomson.
- Customer Instruction. (Your Owner's Manual describes how to install, adjust, and operate your unit. Any additional information should be obtained from your dealer.)

Product Registration:

• Please complete and mail the Product Registration Card packed with your TV or register on-line at www.rca.com. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

• THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.

Other Information

• REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

How state law relates to warranty:

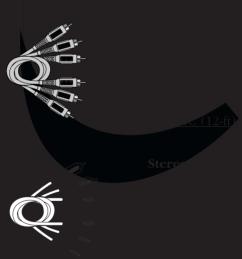
- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

• This warranty does not apply. See your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.









FCC Information

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: RCA

Model(s): LCDX2619W and LCDX2620W Equipment Classification: Computer Peripheral Device

Responsible Party: Thomson, Inc.

10330 N. Meridian St.Indianapolis, IN 46290Telephone (580) 634-0151

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- · Reorient or relocate the receiving antenna.
- · Increase the separation between the equipment and receiver.
- · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- · Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

Thomson Inc. 10330 North Meridian Street Indianapolis, IN 46290



